

# PROGRAMME

23rd and 24th November 2023



“Awakening the Economy through Design Innovation”

## IDR 2023

### International Research Conference

23, 24 November 2023  
University of Moratuwa,  
Sri Lanka

#### ORGANIZED BY

Department of Integrated Design  
University of Moratuwa



UNIVERSITY OF  
**MORATUWA**  
SRI LANKA

1.00 - 5.00 pm - 23rd November 2023

#### Inauguration - Rubert Peiris Auditorium

12.00 pm Registration

1.00 - 1.30 pm Lighting of the lamp  
National Anthem

Welcome Address by  
**Ms. Melanie Dissanayake**  
Head of the Department of Integrated Design

Theme Address by  
**Dr. Sumanthri Samarawickrama**  
Conference chair

1.30 - 2.15 pm **Keynote Address**

**Mr. Mahesh Pathirathna**

Global Literacy Advisor  
Room To Read

[“idresearch.uom.lk/”](http://idresearch.uom.lk/)

# 23rd November 2023

2.15 - 3.15 pm

## Session 01 - Rubert Peiris Auditorium

### Design Innovation within Vernacular Knowledge and Practice

Session Chair: Dr. Kamal Wasala

Session Co-chair: Ms. Chathurika Nugawela

EAB23\_0031 Visualizing Intangible Cultural Heritage: A Conceptual framework on the adaptation of Oral Traditions into Creative Practices  
*Thilakarathne S., Gopure S.C., Wickramasinghe A.*

FPP23\_0031 Post-structural Possibilities in Architectural Design: Deconstruction as a Strategy to Start Architecture of Postcolonial Knowledge & Ideology  
*Rupasinghe R.*

SAB23\_0037 Design & Development of Semi-automated Rush & Reed Forming Machine for upgrading the quality and consistency handicrafts product  
*Thilakarathna T.M.T.T.*

FPP23\_0038 Benefits and Barriers to Accelerate Craft Revival for Traditional Agasti Jewellery Craft in Sri Lanka  
*Dias T. N. & Rathnayaka R.T.,*

SAB23\_0040 Designer approaches to the heritage textile craft amalgamation in hand knitting; local adaptation of hand knitting technology  
*Kasturiarachchi S.C.W. & Wickramasinghe D.P.U.M.*

SAB23\_0039 Cultural identity formation through hybridization: dressing under Portuguese intervention in Sri Lanka  
*Kinigama I. M. M. K. & Weerasinghe A.*

3.15 - 3.45 pm Tea

3.45 - 4.45 pm

## Session 02 - Rubert Peiris Auditorium

### Design Innovation for Economy and Industries

Session Chair: Ms. Amani Weerasinghe

Session Co-chair: Ms. Shobha Gunarathne

VES23\_0031 Harmonizing Tradition and Modernity: Exploring Sri Lanka's Traditional Paddy Farming Practices and Their Contemporary Implications (A Case Study in Jaffna)  
*Raaghavi S. & Dissanayake M.K.*

FPP23\_0040 Investigating the Paradox of Bad Seating Postures Despite Good Ergonomics: Identifying Causal Factors  
*Pathirana I.T.H. & Wasala K.D.*

SAB23\_0042 Beyond the Darkness: Illuminating Lives and Enhancing Safety in Weverly State, Agarapathana through "Lumo" Lamp Design  
*Manawasinghe M.D.R.N.*

FPP23\_0036 Exploring the Role of Customer-Centric Car Dealership Interior Design in Sri Lanka: A Study on Customer Satisfaction  
*Munasinghe H. & Samarasinghe A.M.*

FPP23\_0041 Online education: Teachers' endeavours in adaptation and optimization of digital tools and features for distance learning in Sri Lanka during covid-19 pandemic  
*De Mel W.T.D. & Rodrigo K.B.U.*

EAB23\_0036 Nature as a Creative Mentor: How Sri Lankan Fashion Designers Embrace Bio Mimicry  
*Senevirathne.K. & Gopura.S.*

4.45 pm Closing

# 24th November 2023

8.00 - 9.00 am - Registration

## Session 03 - Rubert Peiris Auditorium

### Design Innovation within Design Pedagogy and Thinking

Session Chair: Dr. Sumanthri Samarawickrama

Session Co-chair: Mr. Praneeth Perera

SAB23\_0041 Sensory Toys specified for Early Interventions in Autistic Children in Sri Lanka; The Influence of Design Elements  
*Chandraguptha B.D.C.S. & De Silva C.*

SAB23\_0031 Making big books for children: Best practice with content and illustrations  
*Harshani K.R.N.*

FPP23\_0032 Identifying gender of inanimate characters in full-length animation movies.  
*Dissanayake S.S.S.*

SAB23\_0033 Study on How to Effectively Address the Desired Expectations of Young Readers of Sri Lankan Chapter Book Series  
*Madhuwanthi I.M.U.*

FPP23\_0037 Effects of pre-school architectural characteristics on the growth of children  
*De Saram S.A., Tirimanne S., Samarasinghe A.M.*

SAB23\_0035 Creating Realistic and Safe "Dummy Props" for Medical Drama and Action Scenes.  
*Fernando B.S.C.*

10.30 - 11.00 am Tea

11.00 - 12.30 pm

## Session 04 - Rubert Peiris Auditorium

### Design Innovation in Circularity and Sustainability

Session Chair: Dr. Kamal Wasala

Session Co-chair: Mr. Dharana Semasinghe

EAB23\_0034 Occupational Mental Wellness and Hygiene: A Focus on Janitors' Workwear in the Sri Lankan Apparel Industry  
*Dharmakeerthi K. & Gopura.S.*

EAB23\_0035 Cost- effective reduction design of cushioning packaging for fragile food, focusing on the Sri Lankan context  
*Ariyathilake P.B.S.D. & Samarawickrama S.*

EAB23\_0038 Exporting 'Sesbania Grandiflora' tea to the US market as a diabetic medication and promoting healthy living through convertible packaging  
*Perera R.H.N. & Samarawickrama S.*

FPP23\_0034 The Impact of Green Building Interior to Employee productivity with the special reference to the Apparel industry in Sri Lanka  
*Kariyawasam T.I. & Samarasinghe A.M.*

EAB23\_0037 A value added sustainable production opportunity out of rice straw to economically uplift rice farming communities  
*Suriyarachchi D. P., Ranasinghe W.M.N.D., Dissanayake M.K., Nugawela C.T.*

EAB23\_0032 Recyclability oriented packaging solutions for Sri Lankan export market - Design Development  
*Aluthge D.H. & Samarawickrama S.*

12.30 - 1.30 pm LUNCH

# 24th November 2023

1.30 - 3.00 pm

## Session 05 - Rubert Peiris Auditorium

### Design Innovation across Technologies

**Session Chair: Mr. Buddhika Rodrigo**

**Session Co-chair: Mr. Thisal Devin**

SAB23\_0036 Role of User Experience Design practices in Sustainable Secondary Education in Sri Lanka  
*Balasubramaniam R. & Rodrigo B.*

SAB23\_0038 Mobile banking in Sri Lanka: Evaluating the usability factors affecting the user interaction in mobile banking applications through usability heuristics  
*Faseera M.M.F. & Rodrigo K.B.*

SAB23\_0043 Recruitment Revamp: A Distinctive and Classy Website for a UK-Dubai Recruiting Agency  
*Perera P.A.S.R.*

EAB23\_0039 Incorporating Design Thinking Process in Redesigning the Existing Student Performance Monitoring Mobile Application  
*Korala C.S.G.*

SAB23\_0034 Community-based application for Sri Lankan Comic enthusiasts towards building a Sri Lankan Comic Culture  
*Perera.A.P. & Samarawickrama S.*

EAB23\_0033 Customized Packaging Solutions for Fragile Edible Cutlery: A Design and Development Study  
*Dewmini M.G.C.N. & Samarawickrama S.*

3.00 pm - 3.15 pm     Tea

3.15 - 4.15 pm

## Session 06 - Rubert Peiris Auditorium

### Industry Session



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Design Research

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